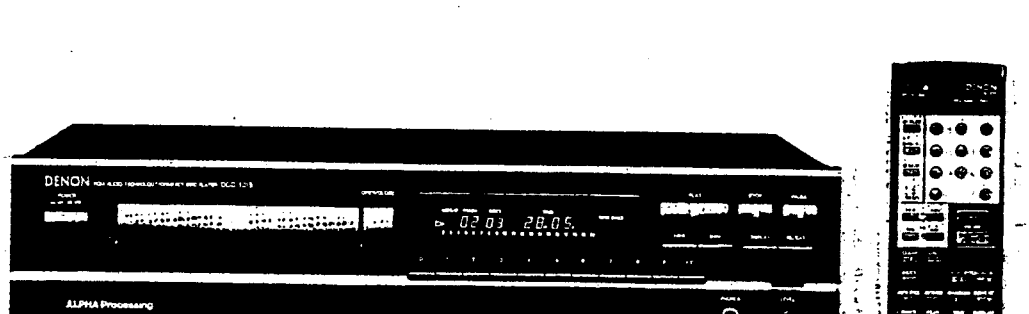
DENON

Hi-Fi Componer

SERVICE MANUAL

MODEL DCD-1015

STEREO CD PLAYER



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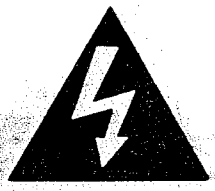
NIPPON COLUMBIA CO., LTD.



CAUTION

RISK OF ELECTRIC SHOCK

DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

For United Kingdom model only.

WARNING:

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral
Brown: Live

For Australia model only.

FOR YOUR SAFETY

To ensure safe operation the three-pin plug supplied must be inserted only into a standard three-pin power point which is effectivly earthed through the normal husehold wiring.

Extension cords used with the equipment must be three-core and be correctly wired to provide connection to earth. Wrongly wired extension cords are a major cause of fatalities.

The fact that the equipment operates satisfactorily does not imply that the power point is earthed and that the installation is completely safe. For your safety, if in any doubt about the effective earthing of the power point, consult a qualified electrician.

For U.S.A. and Canada models

CAUTION

TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

SPECIFICATIONS

AUDIO

No. of Channels:	2 channels
Frequency Response:	2 ~ 20,000 Hz
Dynamic Range:	100 dB
Signal-to-noise Ratio:	112 dB
Harmonic Distortion:	0.0025% (1 kHz)
Separation:	105 dB (1 kHz)
Wow & Flutter:	Below measurable limit: (±0.001% W.peak)
Output (Analog):	2.0 V, VARIABLE 0~2.0 V
Output (Digital):	COAXIAL (0.5 Vp-p 75 Ω /ohms) OPTICAL

DISCS Compact Disc format

GENERAL CHARACTERISTICS

Power Supply:	50 Hz, voltage is shown on rating label
Power Consumption:	14 W
Dimensions:	434 W x 120 H x 288 D mm
Weight:	4.2 kg

FUNCTIONS AND DISPLAY

Functions:	Direct selection, automatic search, programmed playback, repeat playback, manual search, auto space, time mode, auto edit, peak search, fader
Display:	Track number, time, music calendar, and engaged modes
Others:	Headphones jack

REMOTE CONTROL UNIT RC-251

Remote Control System:	Infrared pulse system
Power Supply:	3 V DC; two R6P (standard size AA) dry cell batteries
External Dimensions:	60 W x 177 H x 18 D mm
Weight:	100 g (including batteries)

* Design and specifications are subject to change without notice in the course of product improvement.

Caution for Handling the Laser Pick-up

The laser pick-up KSS-240A is assembled and precisely adjusted using a sophisticated manufacturing process in our plant. Do not disassemble or attempt to readjust it. Please keep the following instructions carefully in handling pick-up.

1. Handle with Care

(1) Storage

Do not store the pick-up in dusty, high-temperatured or high-humidity environments.

(2) Please take care for preventing from shock by falling down or careless handling.

2. Laser Diode (LD)

(1) Protect your eyes

The laser beam may damage the human eye, since the intensity of the focused spot may reach $7 \times 10^3 W/cm^2$ even if the intensity at the objective lens is 400 μW maximum. As the light beam spreads after focused through the objective lens, it does not effect you in the place as far as more than 30 cms. However, do not look at the laser light beam either through the objective lens directly nor another lens or a mirror.

(2) Poison of As

Since the LD chip contains As (Arsenic), as GaAs + GaAlAs, as known as the poison, although the poison is relatively weak, in comparing with others, e.g. As_2O_3, $AsCl_3$ etc., and the amount is small, avoid putting the chip in acid or an alkali solution, heating it over 200°C or putting it into your mouth.

(3) Avoid surge current or electrostatic discharge

The LD may be damaged or deteriorated by its own strong light if a large current is supplied to it, even if only a short pulse.

Make sure that there is no surge current in the LD driving circuit by switches or else. Be careful to handle pick-up as it may be damaged in a moment by human electrostatic discharge. The pins of the LD are short-circuited by solder for protection during shipment.

For safety handling of an LD, grounding the human body, measuring equipments and jig is strongly recommended. And still it is further desirable to make use of mat on the platform and floor for handling the LD.

To open the short-circuit, remove the soldering quickly with a soldering iron whose metal part is grounded.

The temperature of the soldering iron should be less than 320°C (30W).

3. Actuator

(1) The performance of the actuator may be effected if magnetic material is located nearby, since the actuator has a strong magnetic circuit. Do not permit dust to enter through the clearance of the cover.

(2) Cleaning the lens

It may change the specifications by attaching dust or ash on the objective lens. Clean the lens with a cleaning paper dampened with a little water, not pressing lens with so much strength by the cleaning paper.

4. Metal Bearing

As the metal bearing of Cu-compound sintered alloy is impregnated with FROIL946P (*Part No. 529 0054 007), never fail to supply the bushing with the same lubricant at the time of replacing the pick-up.

5. Handling

Please handle the laser pick-up with holding the side base (rosin molded part).

When either a part of human body or some other things may happen to touch directly with the circuit part of P.W.Board, it may cause deterioration, take careful attention in handling this base.

(3) Confirming Procedure

a) Actuate the service program.
b) Check the value of automatic focus gain adjustment.
c) Check the value of automatic tracking gain adjustment.
d) Check for tracking offset.
e) Finish the service program and return the mode to normal operation (turn ON the power switch in normal manner).
f) Check for HF level.

(4) Confirming Focus Gain
Confirm the following items.

a) Press [II PAUSE] button. (TRACK No. indication 03)
b) Press [1] button. (INDEX No. indication 1-)
c) Check for automatic adjustment value.
Automatic adjustment value: 01_M27_S – 00_M81_S (Test disc: CA-1094)

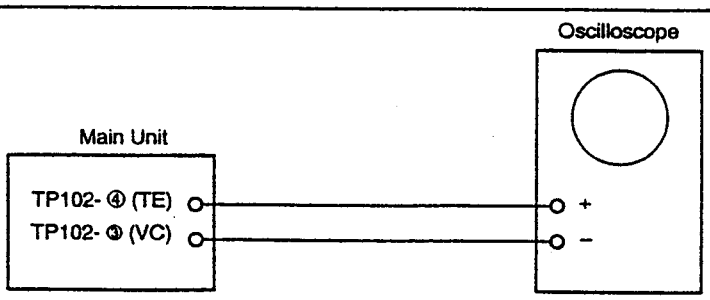
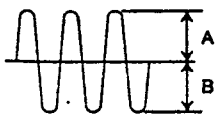
Note: As there may have a possibility of abnormality in pick-up when adjustment value is less than EE_M01_S or 00_M80_S, execute the confirmation for pick-up according to pick-up replacement standard.
If there is no abnormality in pick-up as described in pick-up replacement standard notes, no problem will occur for disc playback even though the automatic adjustment value is less than EE_M01_S of 00_M80_S.

(5) Confirming Tracking Gain
Confirm the following items.

a) Press [II PAUSE] button. (TRACK No. indication 03)
b) Press [2] button. (INDEX No. indication 2-)
c) Check for automatic adjustment value.
Automatic adjustment value: 01_M27_S – 00_M35_S (Test disc: CA-1094)

Note: As there may have a possibility of abnormality in pick-up when adjustment value is less than EE_M02_S or 00_M34_S, execute the confirmation for pick-up according to pick-up replacement standard.
If there is no abnormality in pick-up as described in pick-up replacement standard notes, no problem will occur for disc playback even though the automatic adjustment value is less than EE_M01_S of 00_M34_S.

(6) Tracking offset (E/F Balance)

<table>
<tr><td colspan="3">Connection
 
</td></tr>
<tr><td colspan="2">Oscilloscope</td><td>Check</td><td>Step</td></tr>
<tr><td>V</td><td>H</td><td>(Oscilloscope)</td><td rowspan="2">1. Push [▲ OPEN/CLOSE] and load disc holder referrence disk.
2. Push [▲ OPEN/CLOSE] and close disc holder.
3. Push [▶ PLAY] to turn disc. (Displays track number 02)
4. Short (+)(–) of oscilloscope and check the base line.
5. Confirm that upper and lower amplitude of the waveform is</td></tr>
<tr><td>0.1v/div</td><td>1~2
ms/div</td><td> 

$\frac{A-B}{A+B}$ < 20%</td></tr>
</table>

ADJUSTMENT

A microcomputer employed in this unit has a service program built-in so as to perform each servo confirmation easier with the operation buttons.
Also, the unit adopted with digital servo makes focus gain and tracking gain adjustments in automatic manner.

1. Actuating the Service Program

(1) Close the disc holder and turn OFF the power switch.

(2) Short-circuit Pin ⑥ of TP102(SWOP) and Pin ⑦(GND) of PWB(Main Unit).
Note: Do not touch the other pins.

(3) Turn ON the power switch.
(Service program actuates and the display shows TRACK No. 01)

(Caution)

- When service program actuates, the operation buttons will not function normal operation mode.

2. Operational Function at a Time Service Program Actuation

Button Operation	Function	Description
⏏ OPEN/CLOSE	Opens/closes disc holder.	● Open/close operation should be performed while disc fun is in stop. ● The other keys should be operated after open/close operation is finished.
■ STOP	Stops system operation.	● TRACK No. display becomes 01. ● Press it when adjustment is completed or attempting readjustment.
▶ PLAY	Focus servo actuates and disc runs.	● Press it for tracking adjustment. ● When completed action, TRACK No. display becomes 02.
⏸ PAUSE	Actuates focus servo, tracking servo, slide servo and spindle servo.	● When PLAY button is pressed, tracking servo and slide servo actuate. ● When completed action, TRACK No. display becomes 03.
1	Displays a result of automatic focus gain adjustment.	● After completed PAUSE button action, pressing Button 1 of 10-key indicates a result of automatic focus gain adjustment. ● After action is completed, Display shows: TRACK INDEX TIME 03 1- VV.VV TIME display shows the value of automatic adjustment Displays: 0 InC7 IS-00nO IS or EEnO IS
2	Displays a result of automatic tracking gain adjustment.	● After completed PAUSE button action, pressing Button 2 of 10-key indicates a result of automatic tracking gain adjustment. ● After action is completed, Display shows: TRACK INDEX TIME 03 2- VV.VV TIME display shows the value of automatic adjustment. Displays: 0 InC7 IS-00nO IS or EEnO IS
Other Buttons	Unable to obtain normal function.	● Never attempt to operate the buttons other than the above. ● If the buttons are erroneously pressed, promptly turn OFF the power switch.

(Caution)

- During the service program is in operation, do not use remote control.

DCD-1015 PARTS LIST (USA, Asia, JPN)

NO	Part NO	Part Name	Q'ty	Remarks
1.	4110962801	CHASSIS	1	
2.	4129324003	PANEL BRACKET	2	
3.	1051147005	BACK PANEL	1	
4.	1040260100	FOOT ASS'Y	4	
5.	4411132204	BOTTOM PLATE	1	
6.	4430518003	PCB SPACER	1	
7.	2222836005	SERVO AMP P.W.B	1	
8.	2222793009	MAIN P.W.B	1	
9.	3370038000	CD MECHA UNIT(FG-75)	1	
10.	1442435009	FRONT PANEL ASS'Y	1	
	038	〃	1	ASIA GOLD
	025	〃	1	JPN
11.	1461538107	INNER PANEL ASS'Y	1	
	123	〃	1	ASIA GOLD ONLY
12.	1131728001	FUNCTION KNOB(A)	1	
	027	〃	1	ASIA GOLD ONLY
13.	1131729000	FUNCTION KNOB(B)	1	
	026	〃	1	ASIA GOLD ONLY
14.	1131704038	OP/CL KNOB	1	
	025	〃	1	ASIA GOLD ONLY
15.	1139245201	TENKEY	1	
	243	〃	1	ASIA GOLD ONLY
16.	0090100004	33P FFC CABLE	1	
17.	4411692003	H/P BRACKET	1	
18.	1131689001	P.SW KNOB	1	
	027	〃	1	ASIA GOLD ONLY
19.	1120755001	VOL KNOB	1	
	027	〃	1	ASIA GOLD ONLY
20.	1442436105	LOADER PANEL ASS'Y	1	
	134	〃	1	ASIA GOLD ONLY
21.	1029038243	TOP COVER	1	
	269	〃	1	ASIA GOLD ONLY
22.	4737002021	3*8 CBTS(S)-B		
23.	4737508017	3*10 CBTS(P)-B		
24.	4737007000	4*8 CBTS(S)-B		
25.	4030047013	BOTTON WEIGHT	1	JPN ONLY
26.	1051160008	BOTTOM COVER	1	JPN ONLY
27.	4450056008	CORD BUSH	1	
28.	2062110004	AC CORD	1	U.S.A
	2062089106	〃	1	ASIA
	2062085003	〃	1	JPN
29.	4751005017	4W	2	JPN ONLY
30.	2336142009	POWER TRANS	1	U.S.A
	2336143008	〃	1	ASIA
	2336141000	〃	1	JPN
31.	4713405024	4*10 CBS-B	1	JPN ONLY
32.	1220187113	TOP COVER SPACER	1	
33.	4149095040	CU DAMPER	2	JPN ONLY

HEAT RUN MODE FUNCTION

Heat Run Mode

(1) To activate

While hold pushing ▶▶, ◀◀, ▶▶| and |◀◀ keys simultaneously, turn the unit power on. The remote-control sensor indicator will light to show that the unit is shifted in Heat Run mode.
Be sure to load the disc previously.
Press the disc holder open/close button (⏏ OPEN/CLOSE) to cancel Heat Run mode.

★ This mode functions only for a disc with 21 pieces of music or more. For a disc with 20 pieces of music or lesser, please do not use.

(2) Operation

During the Heat Run mode to shift the unit in Play mode makes the unit replays from the first music after opens the loader once and re-closes it when finish playing the last track (comes into lead out).
Hereafter, operates open/close of loader, servo on, reading of TOC, and playing repeatedly, and repeats playing the two tracks; the first and the last ones.

(3) Error Message

When the system error occurs while in Heat Run mode, the following error message will display on the Track No. indicator and stops operation.

1. E1
   At the time of Focus Servo does not activate.
2. E2
   When unable to detect synchronous pattern however the disc is in rotating. (GFS does not drive.)
3. E3
   No synchronous pattern can be detected while in Play mode. (No GFS drives.)
4. E4
   When TOC is unreadable in despite of servo is activated.
5. E5
   In case of loader malfunctions. (Unable to turn on the switch.)
6. E6
   The inner circle switch of Pick-up does not turn off.
7. E7
   The inner circle switch of Pick-up does not turn on.

★ The number of operation up to the stop will be displayed on the minute and second portion of the indicator.

JUDGMENT STANDARDS FOR OPTICAL PICK-UP REPLACEMENT

1. PICK-UP REPLACEMENT

The pick-up (PU) replacement must be executed on checking the following 4 items and found the abnormality in the PU. Also, refer to following pages.

(1) Judgment by confirming of Focus Search.
(Cause of PU abnormality: Focus search does not function from pick-up laser)

(2) Judgment by Changing of PU due to Focus Error Signal V_{EF}.
(Cause of PU abnormality: No proper emission of focus error signal (S-curve) V_{EF})

(3) Judgment by Changing of PU due to Tracking Error Signal V_{TE}.
(Cause of PU abnormality: No proper emission of tracking error signal (Traverse wave) V_{TF}.

(4) Judgment by Changing of PU due to HF level V_{HF}
(Cause of PU abnormality: No proper emission of HF wave)

2. ABOUT USING DISK

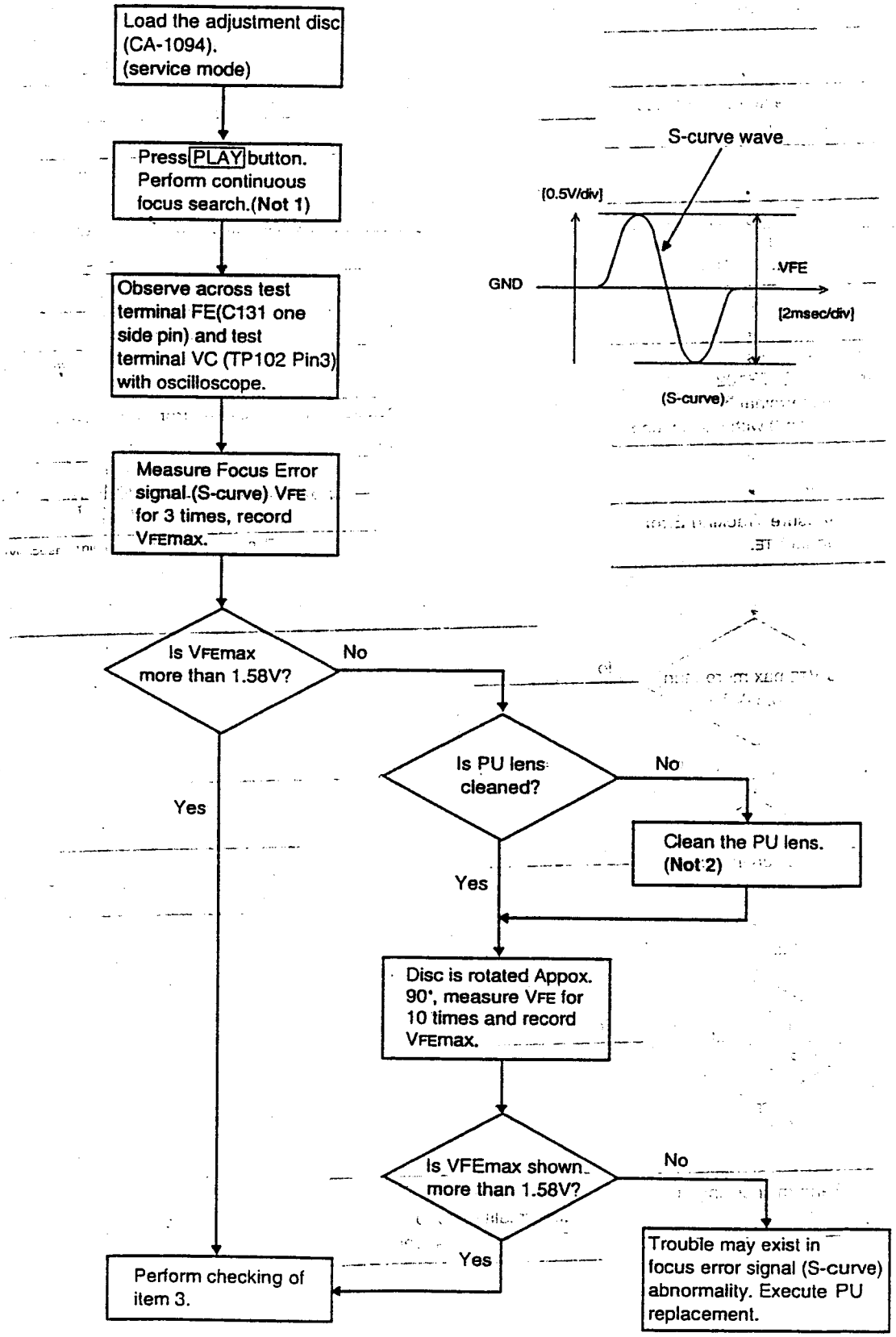
Using Yasuko TOMITA disc (disc No. CA-1094)

3. PICK-UP REPLACEMENT OF OTHER CAUSE

If it happens case of another PU change except for over checking items, please execute PU replacement.

2. Judgement by Changing of PU due to Focus Error signal (S-curve) VFE

(check for proper S-surve)


Load the adjustment disc (CA-1094). (service mode)
Press PLAY button. Perform continuous focus search.(Not 1)
Observe across test terminal FE(C131 one side pin) and test terminal VC (TP102 Pin3) with oscilloscope.
Measure Focus Error signal (S-curve) VFE for 3 times, record VFEmax.
Is VFEmax more than 1.58V?
No
Yes
Is PU lens cleaned?
No
Clean the PU lens. (Not 2)
Yes
Disc is rotated Appox. 90°, measure VFE for 10 times and record VFEmax.
Is VFEmax shown more than 1.58V?
No
Yes
Perform checking of item 3.
Trouble may exist in focus error signal (S-curve) abnormality. Execute PU replacement.
S-curve wave
[0.5V/div]
GND
VFE
[2msec/div]
(S-curve)

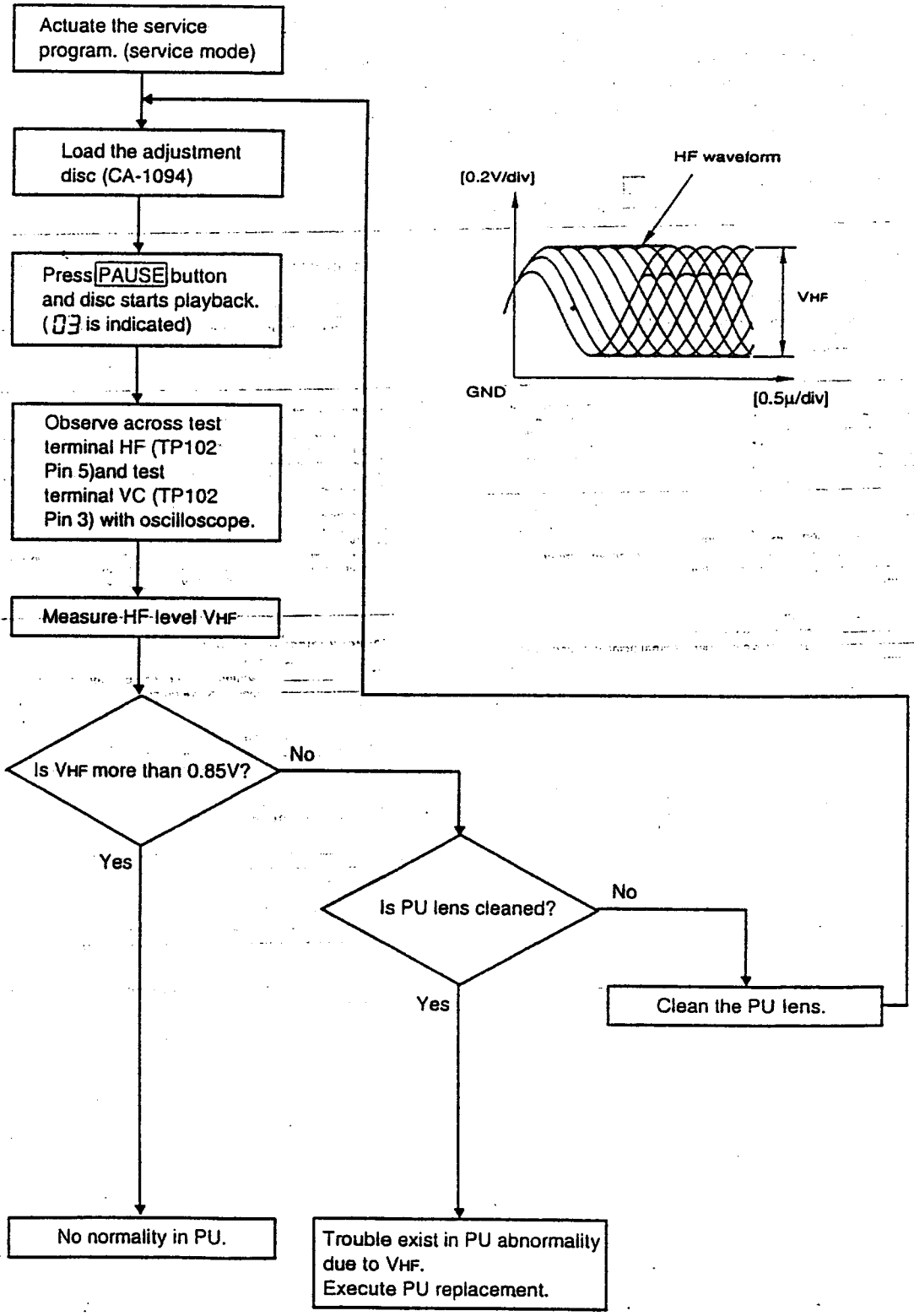
Not 1: Press PLAY button continuously in VFE measure.

Not 2: Clean the lens with-moistened cleaning paper without applying an excessive force to the lens.

MODEL : FG-75 PART LIST

NO.		PART CODE	PART NAME	DRAWING#		Q'ty	NOTE
1		ｸKA85A001	ﾍﾞｰｽｱｳﾄｻｰﾄFG40	TE-10178		1	
-1		ｸKA85P003	ﾍﾞｰｽFG40	TE-10186		1	
2	△	ｸKA90H006	FSｺﾃｲﾈｼﾞ FS FIX SCREW	TE-09287		1	
3	△	ｸKA90H005	ﾌｨｰﾄﾞｼｬﾌﾄ FEED SHAFT	TE-09286		1	
5	△	ｸKA81A293	ﾀｰﾝﾃｰﾌﾞﾙAS MOTOR (T/T) ASSY	TE-09407		1	
6		ｸKA85G028	ｷﾞｱﾓｰﾀFG40	TE-10358		1	
7	△	ｸKA85G017	ｵｸﾘｷﾞｱA DRIVE GEAR(A)	TE-10184		1	
8	△	ｸKA85G018	ｵｸﾘｷﾞｱB DRIVE GEAR (B)	TE-10185		1	
9	△	~~ｸKA85G021~~	ﾋﾟｯｸｱｯﾌﾟKSS240 ⇒ 499 0191 009 ←	PARTS NO	OPTICAL PU	KSS240	
10		ｸKM01T136	MT RF310T11400-30			1	
11		ｸKM01T131	MT RF310T11400-38			1	
12	△	ｸKS01W147	ｽｲｯﾁLSA-1121EAU LEAF SW (LSA	1121EAU		1	
13	△	ｸKA85P009	ﾓｰﾀｰPCB FG40N MOTOR PWB	TE-10276		1	
14	△	ｸKM20S003	M2×3ｾﾙｽ 2×3 TEMS SCREW			2	
15	△	~~ｸKA85G032~~	ﾌﾚｷ FFC-260 FG70 ⇒ 009 005 1 001	12P FFC		1	
16	△	~~ｸKB01L487~~	FFCﾌﾞｯｼｭ ⟹ 443 1093 006	FFC	CLAMPER	1	
17	△	ｸKA82G253	S5B-PH CONNE			1	
18	△	ｸKM20S004	M2×4ｾﾙｽ 2×4 SCREW			2	
19		ｸKA4G008C	MECA CHASSIS		411 4319 301	1	
20	△	ｸKA85G020	ﾒｶﾌﾚｰﾑFG70 MECHA FRAME	TE-10192		1	
21		ｸKA4G012C	LOADER75		431 0383 206	1	
22		ｸKA4G009C	CLAMPER HOLDER		412 3943 202	1	
23		ｸKA4G005A	UDﾌﾟﾚｰﾄｷﾞｱFG70			1	
24	△	ｸKA85G006	ｸﾗﾝﾊﾟｰF CLAMPER (F)	TE-10151		1	
25	△	ｸKA85G007	ﾘﾚｰｷﾞｱA RELAY GEAR (A)	TE-10152		1	
26		ｸKA4G006A	ﾘﾚｰｷﾞｱB			1	
27	△	ｸKA85G009	ﾘﾚｰｷﾞｱC RELAY GEAR(C)	TE-10154		1	
28	△	ｸKA85G010	ｷﾞｱﾍﾞﾙﾄ GEAR BELT(F)	TE-10155		1	
29	△	ｸKA85G030	ﾀﾞﾝﾊﾟｰFG40 DAMPER	TE-10278		4	
30		ｸKA85P007	ｸﾗﾝﾊﾟｰﾌﾟﾚｰﾄFG40			1	
31	△	ｸKA85H001	ｽｸﾘｭｳF FLOATING SCREW	TE-10160		4	
32	*	ｸKA85P005	MOTOR PCB FG70	TE-10189		1	
33		ｸKA82G049	ﾓｰﾀｰﾌﾟｰﾘ R	TE-09463		1	
34		ｸKA82G057	ﾏｸﾞﾈｯﾄ17×27×5	TE-09485		1	
35		ｸKA92H001	M3×10SPECIAL SCREW			2	
36	△	ｸKB30B008	M3×8ﾊﾞｲﾝﾄﾞBﾀｲﾄ ｸﾛ 3×8 B TAIT	(BK)		6	
37		ｸKM26BK04	M2.6×4ﾊﾞｲﾝﾄﾞｸﾛﾒｰﾄ			2	
38		ｸKM01T132	MT RF500TB14415			1	
39		ｸKA82G308	B5B-PH RED			1	
40		ｸKA85G027	CNW2 FG70	TE-10207		1	
41	△	ｸKS01W148	OP/CL SW SSS-12 LEVER SW	SSS-12		1	
42	△	ｸKA85S004	ｽﾌﾟﾘﾝｸﾞD	TE-10296		2	

4. Judgement by changing of PU due to HF level V_{TE} (check for proper HF wave)


Actuate the service program. (service mode)
Load the adjustment disc (CA-1094)
Press PAUSE button and disc starts playback. (03 is indicated)
Observe across test terminal HF (TP102 Pin 5)and test terminal VC (TP102 Pin 3) with oscilloscope.
Measure HF level VHF
Is VHF more than 0.85V?
No
Yes
Is PU lens cleaned?
No
Yes
Clean the PU lens.
No normality in PU.
Trouble exist in PU abnormality due to VHF.
Execute PU replacement.
HF waveform
[0.2V/div]
VHF
GND
[0.5μ/div]

PARTS LIST OF P.W.BOARD

1U-2793 MAIN UNIT [U.S.A.,Canada and Asia]

Ref. No.	Part No.	Part Name	Remarks
SEMICONDUCTORS GROUP			
IC101	262 1879 003	IC CXD2515Q	
IC102	263 0909 906	IC BA6392FPT-1	
IC103	263 0910 018	IC BA7042(20MH)	
IC105	263 0565 007	IC BA15218	
IC300	262 1869 000	IC SM5845AF	
IC303,304	262 1171 002	IC PCM61P	
IC309,310	263 0360 008	IC NE5532	
IC501	263 0693 005	IC M5290P	
IC502,503	268 0073 905	IC Protector ICP-N15T	
IC504	268 0072 906	IC Protector ICP-N10T	
IC505	268 0073 905	IC Protector ICP-N15T	
IC701	262 2111 003	IC M38173M6-292FP	
IC702,703	262 0864 006	IC UPC4570C	
IC704	262 0640 000	IC MN6632A	
IC705	263 0995 004	IC NJM4556AD	
IC710	262 1265 002	IC TC74HCU04AP	
TR101	274 0036 905	Transistor 2SD468(C)TF	
TR102	272 0025 907	Transistor 2SB562(C)TF	
TR103	269 0026 900	Transistor RN2202(10K-10K)	Built in Resistor
TR111	274 0036 905	Transistor 2SD468(C)TF	
TR112	272 0025 907	Transistor 2SB562(C)TF	
TR501	274 0136 009	Transistor 2SD1913	
TR502	272 0093 007	Transistor 2SB1274	
TR503	271 0192 905	Transistor 2SA933S(S)TP	
TR600,601	274 0160 907	Transistor 2SD2144STPU	
TR702	269 0014 909	Transistor DTC124XS (22K-47K)	Built in Resistor
TR703	269 0020 906	Transistor DTC114ES (10K-10K)	Built in Resistor
TR704	271 0192 905	Transistor 2SA933S(S)TP	
TR706–709	274 0160 907	Transistor 2SD2144STPU	
D103	276 0553 905	Diode 1SR35-200A(T93X)	
D104	276 0432 903	Diode 1SS270A TE	
D105,106	276 0553 905	Diode 1SR35-200A(T93X)	
D501–506	276 0553 905	Diode 1SR35-200A(T93X)	
D507	276 0484 906	Zener Diode HZS33-1TD	
D508	276 0465 909	Zener Diode HZS7B-1TD	
D511,512	276 0553 905	Diode 1SR35-200A(T93X)	
D520	276 0553 905	Diode 1SR35-200A(T93X)	
D534	276 0553 905	Diode 1SR35-200A(T93X)	
D537	276 0553 905	Diode 1SR35-200A(T93X)	
D601–608	276 0432 903	Diode 1SS270A TE	
D701	276 0432 903	Diode 1SS270A TE	

RESISTORS GROUP (not included Carbon Film ±5% 1/4W type)			
VR300,301	211 6093 970	Adjust 100Kohm	V06PB104T
VR601	211 0764 001	Variable 20Kohm	V0920FA203

Ref. No.	Part No.	Part Name	Remarks
CAPACITORS GROUP			
C101	253 9039 906	Ceramic 0.1µF/25V	CK45=1E104ZT DD-3
C102,103	254 4254 941	Electrolytic 100µF/16V	CE04W1C101MT SME
C105	253 9039 906	Ceramic 0.1µF/25V	CK45=1E104ZT DD-3
C106	254 4254 938	Electrolytic 47µF/16V	CE04W1C470MT SME
C107–109	253 4538 949	Ceramic 100pF/50V	CC45SL1H101JT DD-3
C110	254 4260 964	Electrolytic 3.3µF/50V	CE04W1H3R3MT SME
C111	254 4254 909	Electrolytic 10µF/16V	CE04W1C100MT SME
C112	253 9031 904	Ceramic 0.047µF/25V	CK45=1E473KT
C113	253 4536 970	Ceramic 20pF/50V	CC45SL1H200JT DD-3
C114	253 9039 906	Ceramic 0.1µF/25V	CK45=1E104ZT DD-3
C115	254 4254 941	Electrolytic 100µF/16V	CE04W1C101MT SME
C116	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103ZT DD-3
C117	253 4536 909	Ceramic 10pF/50V	CC45SL1H100DT DD-3
C119	253 1118 906	Ceramic 0.0033µF/50V	CK45F1H332KT
C120	253 9039 906	Ceramic 0.1µF/25V	CK45=1E104ZT DD-3
C121	253 9030 989	Ceramic 0.022µF/25V	CK45=1E223KT
C122	253 1179 945	Ceramic 220pF/50V	CK45B1H221KT DD-3
C124	253 1180 905	Ceramic 680pF/50V	CK45B1H681KT DD-3
C125	253 9035 942	Ceramic 0.056µF/25V	CK45=1E563KT
C126	253 1180 947	Ceramic 0.0015µF/50V	CK45B1H152KT DD-3
C127	253 1179 945	Ceramic 220pF/50V	CK45B1H221KT DD-3
C128	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103ZT DD-3
C130,131	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103ZT DD-3
C132,133	253 4536 909	Ceramic 10pF/50V	CC45SL1H100DT DD-3
C135	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103ZT DD-3
C141	254 4258 905	Electrolytic 4.7µF/35V	CE04W1V4R7MT SME
C174	253 9039 906	Ceramic 0.1µF/25V	CK45=1E104ZT DD-3
C280	253 9039 906	Ceramic 0.1µF/25V	CK45=1E104ZT DD-3
C300	254 4254 941	Electrolytic 100µF/16V	CE04W1C101MT SME
C301	253 9039 906	Ceramic 0.1µF/25V	CK45=1E104ZT DD-3
C305,306	253 1179 932	Ceramic 180pF/50V	CK45B1H181KT DD-3
C307,308	253 1180 918	Ceramic 820pF/50V	CK45B1H821KT DD-3
C311,312	253 1180 921	Ceramic 0.001µF/50V	CK45B1H102KT DD-3
C313,314	253 4443 908	Ceramic 200pF/50V	CC45SL1H201JT
C316–319	253 9039 906	Ceramic 0.1µF/25V	CK45=1E104ZT DD-3
C323,324	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103ZT DD-3
C325,326	254 4375 710	Electrolytic 330µF/25V	CE04W1E331MC ASF
C328	254 4254 925	Electrolytic 33µF/16V	CE04W1C330MT SME
C400–402	253 9039 906	Ceramic 0.1µF/25V	CK45=1E104ZT DD-3
C403	253 4538 949	Ceramic 100pF/50V	CC45SL1H101JT DD-3
C404	254 4254 941	Electrolytic 100µF/16V	CE04W1C101MT SME
C405	253 9039 906	Ceramic 0.1µF/25V	CK45=1E104ZT DD-3
C420,421	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103ZT DD-3
C501	254 4366 703	Electrolytic 2200µF/25V	CE04W1E222MC ASF
C502	254 4319 792	Electrolytic 4700µF/25V	CE04W1E472MC ASF
C503	254 4254 941	Electrolytic 100µF/16V	CE04W1C101MT SME
C504	254 4254 967	Electrolytic 330µF/16V	CE04W1C331MT SME
C505	254 4260 948	Electrolytic 1µF/50V	CE04W1H010MT SME
C507	254 4262 946	Electrolytic 47µF/63V	CE04W1J470MT SME
C508	254 4261 921	Electrolytic 100µF/50V	CE04W1H101MT SME

DCD-1015 PARTS LIST (Europe and U.K)

NO	Part NO	Part Name	Q'ty	Remarks
1.	4111233102	CHASSIS	1	
2.	4129324003	PANEL BRACKET	2	
3.	1051158007	BACK PANEL	1	
4.	1040228401	FOOT ASS'Y	4	
5.	4411608107	BOTTOM PLATE	1	
6.	4431003009	PCB SPACER	1	
7.	2222836005	SERVO AMP P.W.B	1	
8.	2222794008	MAIN P.W.B	1	
9.	3370038000	CD MECHA UNIT(FG-75)	1	
10.	1442435041	FRONT PANEL ASS'Y	1	
	012	〃	1	GOLD
11.	1461538136	INNER PANEL ASS'Y	1	
	110	〃	1	GOLD
12.	1131728030	FUNCTION KNOB(A)	1	
	014	〃	1	GOLD
13.	1131729039	FUNCTION KNOB(B)	1	
	013	〃	1	GOLD
14.	1131704009	OP/CL KNOB	1	
	012	〃	1	GOLD
15.	1139245214	TENKEY	1	
	227	〃	1	GOLD
16.	0090106008	33P FFC CABLE	1	
17.	4411692003	H/P BRACKET	1	
18.	1131689001	P.SW KNOB	1	
	014	〃	1	GOLD
19.	1120755030	VOL KNOB	1	
	014	〃	1	GOLD
20.	1442436008	LOADER PANEL ASS'Y	1	
	024	〃	1	GOLD
21.	1029038120	TOP COVER	1	
	159	〃	1	GOLD
22.	4737002021	3*8 CBTS(S)-B		
23.	4737508017	3*10 CBTS(P)-B		
24.	4737007000	4*8 CBTS(S)-B		
25.				
26.				
27.				
28.	2062108003	AC CORD	1	EUROPE
	2062113001	〃	1	U.K
29.				
30.	2335990003	POWER TRANS	1	EUROPE
	2336160007	〃	1	U.K
31.				
32.	1220187113	TOP COVER SPACER	1	

Ref. No.	Part No.	Part Name	Remarks
RESISTORS GROUP (not included Carbon Film ±5% 1/4W type)			
VR300,301	211 6093 970	Adjust 100Kohm	V06PB104T
VR601	211 0764 001	Variable 20Kohm	V0920FA203
CAPACITORS GROUP			
C101	253 9039 906	Ceramic 0.1µF/25V	CK45=1E104ZT DD-3
C102,103	254 4254 941	Electrolytic 100µF/16V	CE04W1C101MT SME
C105	253 9039 906	Ceramic 0.1µF/25V	CK45=1E104ZT DD-3
C106	254 4254 938	Electrolytic 47µF/16V	CE04W1C470MT SME
C107–109	253 4538 949	Ceramic 100pF/50V	CC45SL1H101JT DD-3
C110	254 4260 964	Electrolytic 3.3µF/50V	CE04W1H3R3MT SME
C111	254 4254 909	Electrolytic 10µF/16V	CE04W1C100MT SME
C112	253 9031 904	Ceramic 0.047µF/25V	CK45=1E473KT
C113	253 4536 970	Ceramic 20pF/50V	CC45SL1H200JT DD-3
C114	253 9039 906	Ceramic 0.1µF/25V	CK45=1E104ZT DD-3
C115	254 4254 941	Electrolytic 100µF/16V	CE04W1C101MT SME
C116	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103ZT DD-3
C117	253 4536 909	Ceramic 10pF/50V	CC45SL1H100DT DD-3
C119	253 1118 906	Ceramic 0.0033µF/50V	CK45F1H332KT
C120	253 9039 906	Ceramic 0.1µF/25V	CK45=1E104ZT DD-3
C121	253 9030 989	Ceramic 0.022µF/25V	CK45=1E223KT
C122	253 1179 945	Ceramic 220pF/50V	CK45B1H221KT DD-3
C124	253 1180 905	Ceramic 680pF/50V	CK45B1H681KT DD-3
C125	253 9035 942	Ceramic 0.056µF/25V	CK45=1E563KT
C126	253 1180 947	Ceramic 0.0015µF/50V	CK45B1H152KT DD-3
C127	253 1179 945	Ceramic 220pF/50V	CK45B1H221KT DD-3
C128	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103ZT DD-3
C130,131	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103ZT DD-3
C132,133	253 4536 909	Ceramic 10pF/50V	CC45SL1H100DT DD-3
C135	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103ZT DD-3
C141	254 4258 905	Electrolytic 4.7µF/35V	CE04W1V4R7MT SME
C174	253 9039 906	Ceramic 0.1µF/25V	CK45=1E104ZT DD-3
C280	253 9039 906	Ceramic 0.1µF/25V	CK45=1E104ZT DD-3
C300	254 4254 941	Electrolytic 100µF/16V	CE04W1C101MT SME
C301	253 9039 906	Ceramic 0.1µF/25V	CK45=1E104ZT DD-3
C305,306	253 1179 932	Ceramic 180pF/50V	CK45B1H181KT DD-3
C307,308	253 1180 918	Ceramic 820pF/50V	CK45B1H821KT DD-3
C311,312	253 1180 921	Ceramic 0.001µF/50V	CK45B1H102KT DD-3
C313,314	253 4443 908	Ceramic 200pF/50V	CC45SL1H201JT
C316–319	253 9039 906	Ceramic 0.1µF/25V	CK45=1E104ZT DD-3
C323,324	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103ZT DD-3
C325,326	254 4368 950	Electrolytic 330µF/25V	CE04W1E331MT ASF
C328	254 4254 925	Electrolytic 33µF/16V	CE04W1C330MT SME
C400–402	253 9039 906	Ceramic 0.1µF/25V	CK45=1E104ZT DD-3
C403	253 4538 949	Ceramic 100pF/50V	CC45SL1H101JT DD-3
C404	254 4254 941	Electrolytic 100µF/16V	CE04W1C101MT SME
C405	253 9039 906	Ceramic 0.1µF/25V	CK45=1E104ZT DD-3
C420,421	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103ZT DD-3
C501	254 4366 703	Electrolytic 2200µF/25V	CE04W1E222MC ASF
C502	254 4319 792	Electrolytic 4700µF/25V	CE04W1E472MC ASF
C503	254 4254 941	Electrolytic 100µF/16V	CE04W1C101MT SME
C504	254 4254 967	Electrolytic 330µF/16V	CE04W1C331MT SME
C505	254 4260 948	Electrolytic 1µF/50V	CE04W1H010MT SME
C507	254 4262 946	Electrolytic 47µF/63V	CE04W1J470MT SME
C508	254 4261 921	Electrolytic 100µF/50V	CE04W1H101MT SME
C509,510	254 4258 934	Electrolytic 33µF/35V	CE04W1V330MT SME
C511	254 4260 964	Electrolytic 3.3µF/50V	CE04W1H3R3MT SME
C513,514	254 4313 798	Electrolytic 220µF/50V (U.K. Only)	CE04W1H221MC ASF
C515	253 9039 906	Ceramic 0.1µF/25V	CK45=1E104ZT DD-3
C602,603	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103ZT DD-3
C704	254 4254 954	Electrolytic 220µF/16V	CE04W1C221MT SME
C705,706	253 4537 982	Ceramic 56pF/50V	CC45SL1H560JT DD-3
C710–713	254 4313 950	Electrolytic 100µF/50V	CE04W1H101MT ASF
C720,721	254 4254 909	Electrolytic 10µF/16V	CE04W1C100MT SME
C725,726	253 1180 921	Ceramic 0.001µF/50V	CK45B1H102KT DD-3
C727,728	253 1180 921	Ceramic 0.001µF/50V	CK45B1H102KT DD-3
C732,733	253 4537 924	Ceramic 33pF/50V	CC45SL1H330JT DD-3
C734	254 4254 941	Electrolytic 100µF/16V	CE04W1C101MT SME
C735	254 4254 941	Electrolytic 100µF/16V	CE04W1C101MT SME
OTHER PARTS			
PT300	231 8063 009	Pulse Trans	
⚠T500	233 5990 003	Power Trans (230V)	Europe
	233 6160 007	Power Trans (EK)	U.K.
⚠SW600	212 1039 000	1P Push Switch	
X200	399 0112 005	Crystal Resonator	(16.9344MHz)
X201	399 0111 909	Ceramic Resonator	(CST4.23MGW040)
RM601	499 0150 008	Remote Sensor	(SBX1610-52)
JK701	204 8262 002	1P Pin Jack	
JK702,703	204 8311 021	2P Pin Jack	
JK704	269 0098 006	Optical Connector	(GP1F32T)
HJ601	204 8322 007	Head Phone Jack	
FLD601	393 4095 007	FL Tube	(FIP10SM6)
CB101	205 0321 054	5P Connector Base(RED)	
CB102	205 0343 058	5P Connector Base(KR-PH)	
CB103	205 0892 004	12P FFC Base (P=1)	
CB401	205 0736 005	33P FFC Base	
⚠CB500	203 2349 009	2P Inlet	
CB601	205 0736 005	33P FFC Base	
CB701	205 0535 031	6P Connector Base	
CB702	205 0637 036	8P Connector Socket	
TP102	205 0190 078	7P NH Connector Base	

1U-2836 SERVO AMP UNIT

Ref. No.	Part No.	Part Name	Remarks
SEMICONDUCTORS GROUP			
IC901	263 0565 007	IC BA15218	
RESISTORS GROUP (not included Carbon Film ±5% 1/4W type)			
CAPACITORS GROUP			
C903	253 1193 934	Ceramic 100pF/50V	CK14B1H101KT
OTHER PARTS			
CB901	205 0343 074	7P Connector Base(KR-PH)	

PACKING & ACCESSORIES

[U.S.A.,Canada and Asia]

Ref. No.	Part No.	Part Name	Remarks	Q'ty
	505 0102 089	Styrene Paper		1
	504 0092 060	Styrene Paper	For AC Cord	1
	503 1176 005	Cushion		2
	501 1854 004	Carton Case		1
	501 1854 017	Carton Case	(Gold)	1
	515 0690 006	DELWarranty Home	U.S.A.,Canada Only	1
	517 0102 024	UPC Label	U.S.A.,Canada Only	1
	505 0038 030	Poly Cover		1
	511 2713 002	Operating Instructions		1
	511 2716 009	Operating Instructions	Asia Only	1
	203 2360 004	2P Pin Cord		1
	399 0259 007	Remote Control Unit	RC-251	1
	394 0036 005	Dry Battery	R06P	2
⚠	202 0044 002	Plug Adaptor	Asia Only	1

Note: (Gold) in the Remarks column refersWith gold front panels.

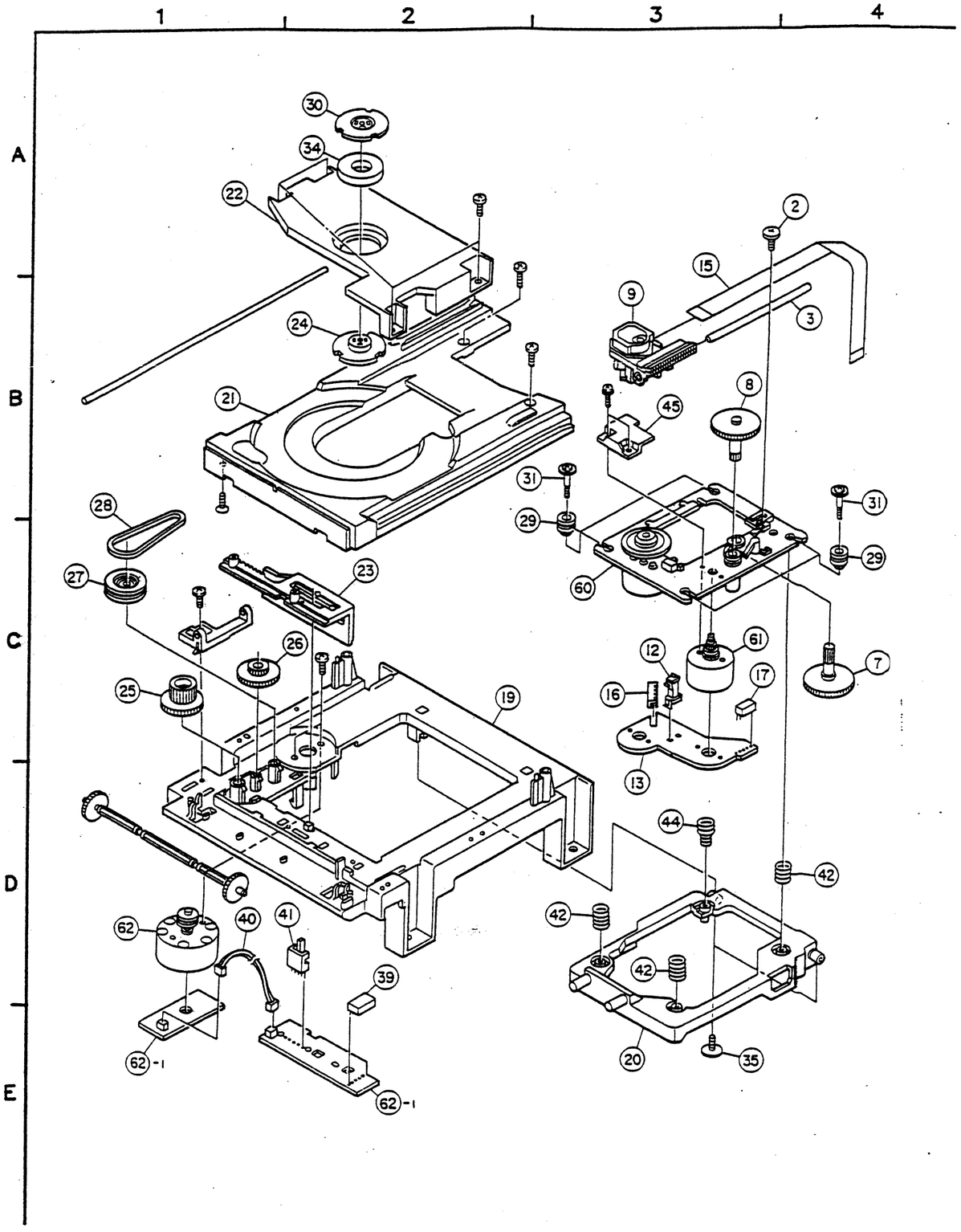
[Europe and U.K.] (DCD-1015)

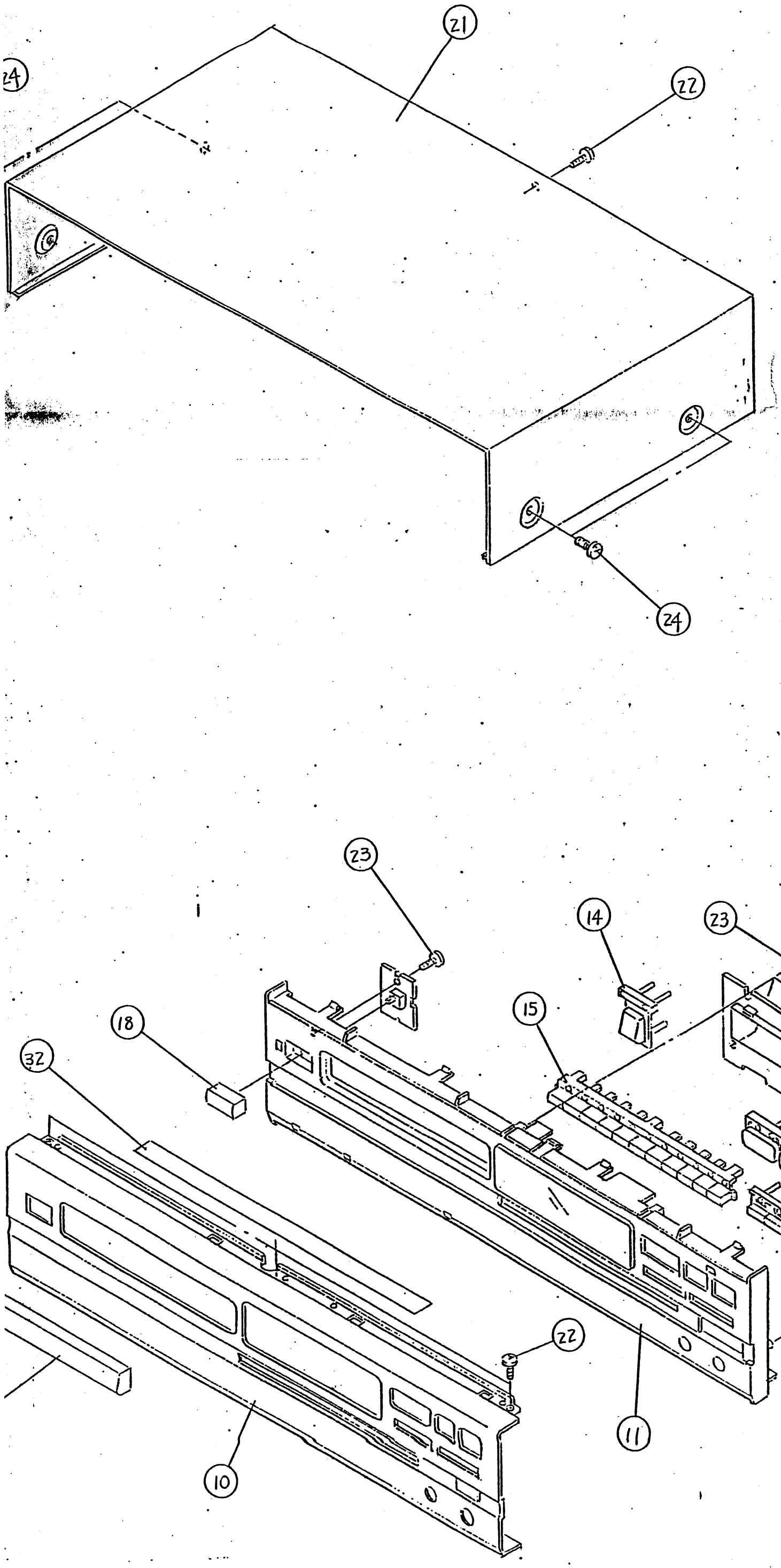
Ref. No.	Part No.	Part Name	Remarks	Q'ty
	505 0131 050	Cabinet		1
	503 9235 003	Cushion		2
	501 1855 003	Carton Case		1
	513 9111 001	Color Label (GOLD)	(Gold) Only	1
	505 9125 009	Poly Cover		1
	511 2714 001	Operating Instructions		1
	203 2310 009	2P Pin Cord		1
	399 0259 007	Remote Control Unit	RC-251	1
⚠	206 2108 003	AC CordWith Plug		1

Note: (Gold) in the Remarks column refersWith gold front panels.

PARTS LIST OF FG-75 MECHANISM UNIT

EXPLODED VIEW OF FG-75 MECHANISM UNIT

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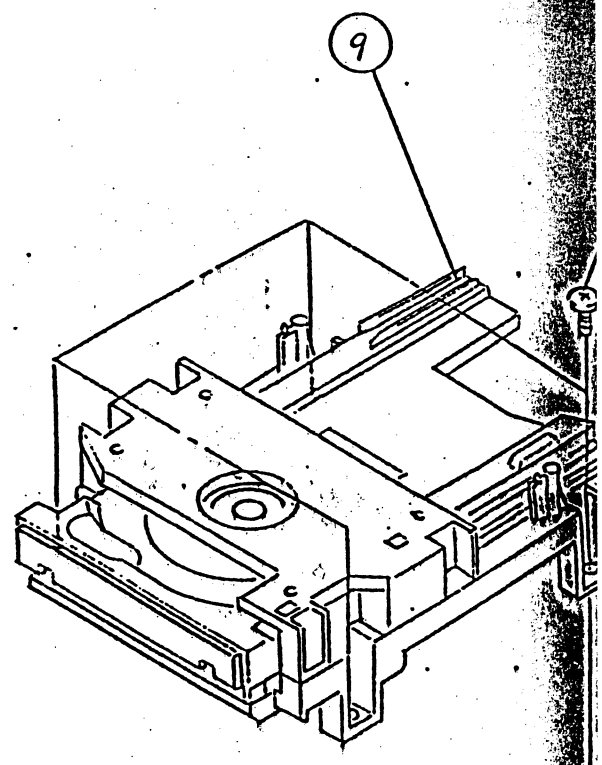
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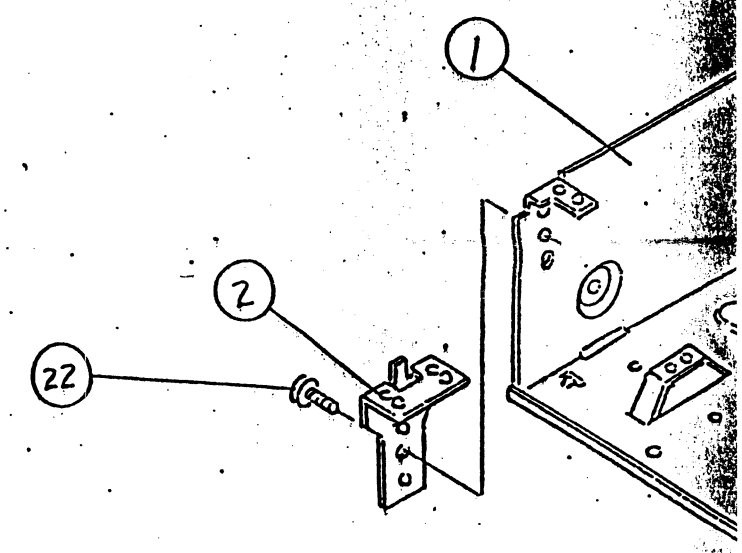
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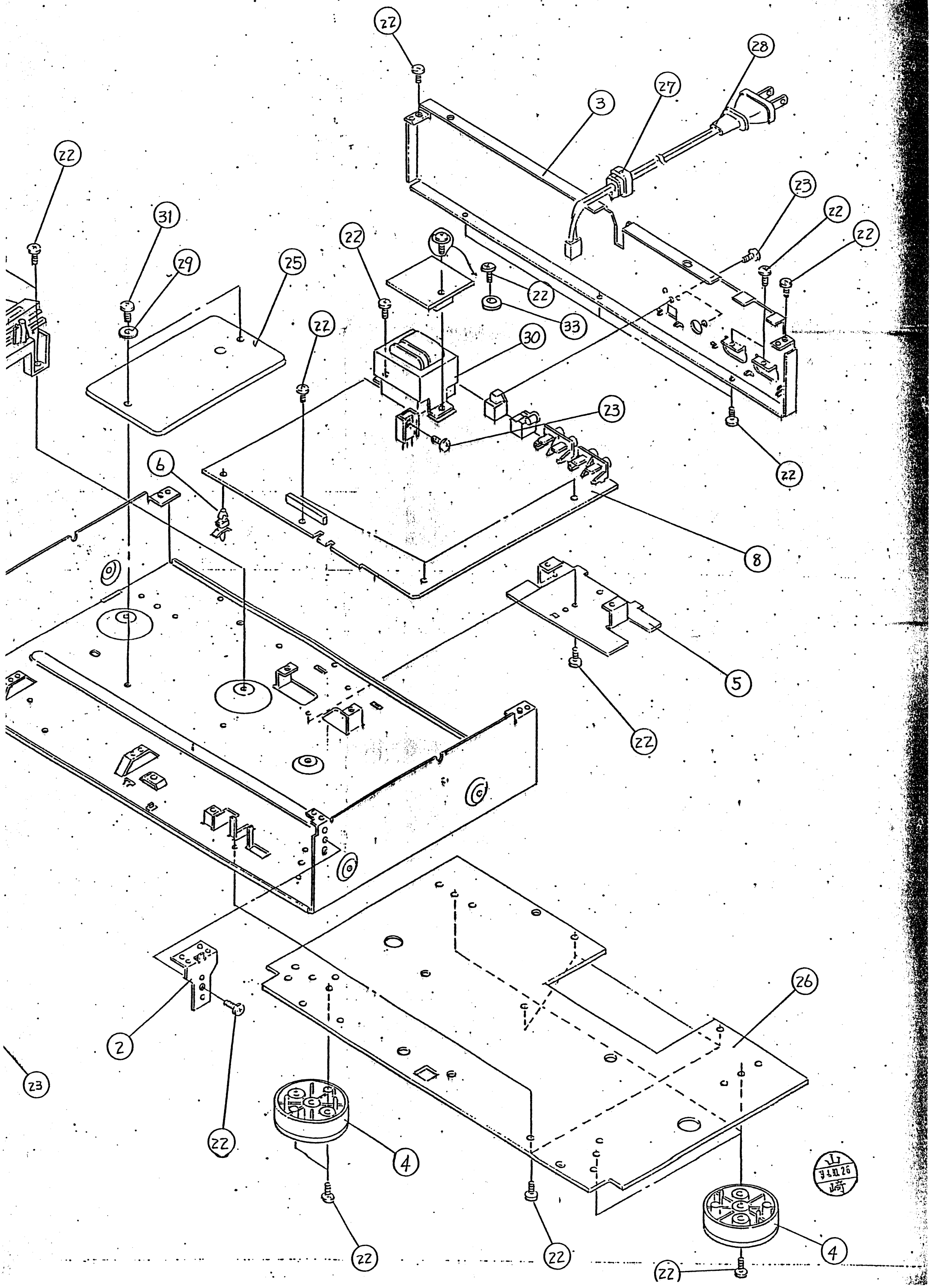
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1U-2793-3/1U-2794-3
POWER SW UNIT

POWER SW
CB603
GND
ON/OFF
F1
F1
CB602

1U-2793-2/1U-2794-2
DISPLAY UNIT

FL DISPLAY
FIPIOSM6
1G 2G 3G 4G 5G 6G 7G 8G 9G
K1
K2
K3
K4
SBX1610-52
REMOTE UNIT

1U-2793-4/1U-2794-4
H/P JACK UNIT

H/P JACK
MUTE
CC301
CB301
LOUT
GND
ROUT
+8V
-8V
MUTE

COAXIAL OUTPUT
OPTICAL OUTPUT
GP1F32T
CB302
K1 K2 K3 K4 S1 S2 S3 S4 S5 S6 S7 S8 S9 S10 S11 S12 G10 G9 G8 G7 G6 G5 G4 G3 G2 G1 +5V IN GND ON/OFF F2 F1 NC

CB101 (RED)
LOADING MOTOR
OPEN/CLOSE SW
CB102 (WHT)
SPINDLE MOTOR
IN MOST SW
SLIDE MOTOR

μ-COM
M38173M6-292FP

DRIVER
BA6392FF

OPTICAL PICK UP
KSS-240A
LASER DIODE
MONITOR DIODE
PHOTO DETECTOR DIODE
FOCUS
TRACKING
COIL
HF AMP
ALPC
CXA1081S
CB103
VC
TE
FE
FZC
RF
GND
VCC
LDC
FCS+
TRK+
TRK-
FCS-

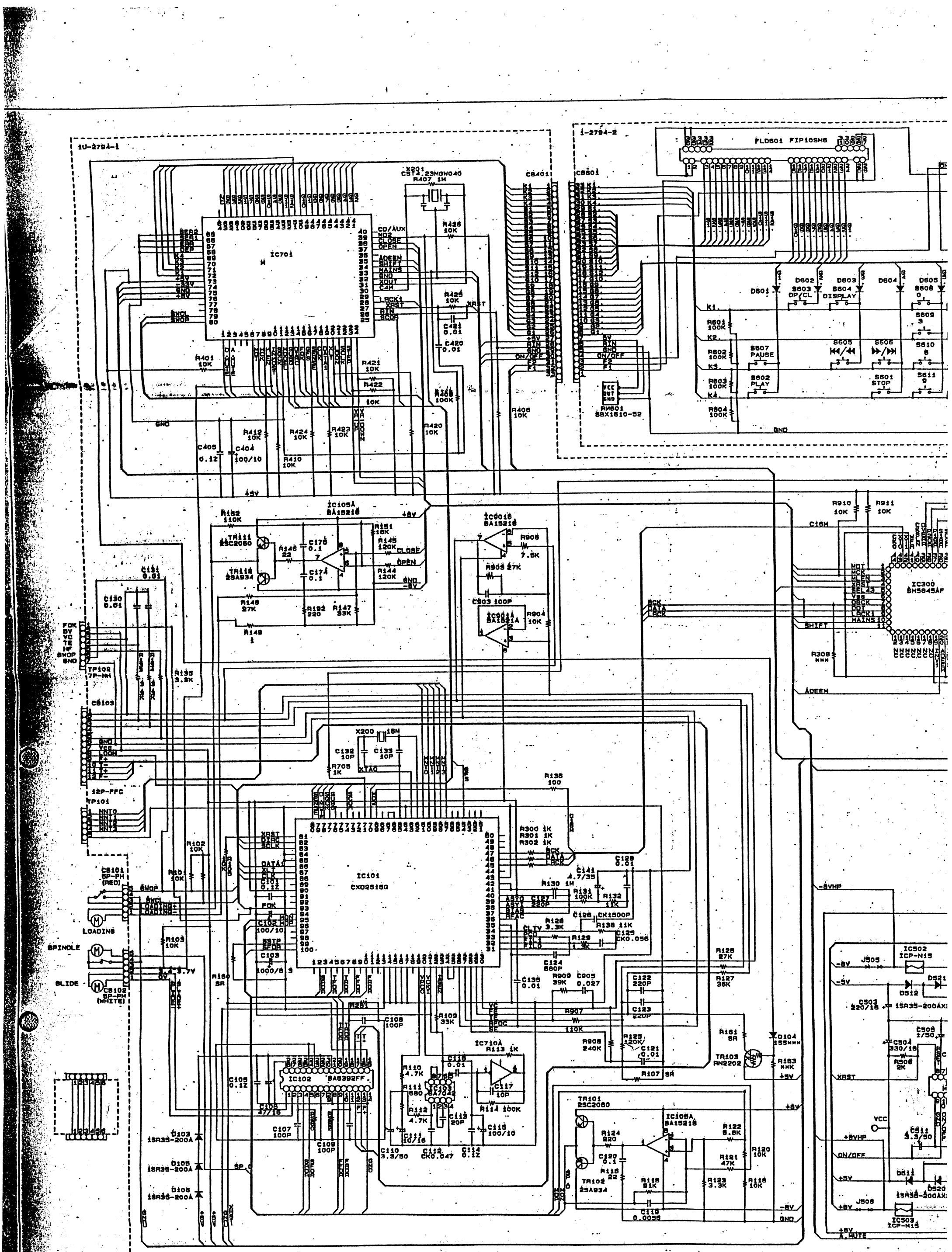
EFM DEMODULATOR
ERROR CORRECTION
INTER PORATION
CXD2515Q
PITCH CONTROL
BA7042
DIGITAL FILTER
ALPHA LAMBDA
SM5845
2bit DAC
PCM61P
SUPER LINEAR DAC
PCM61P
SUPER LINEAR DAC
2bit DAC
ACTIVE L.P.F
ACTIVE L.P.F
ATT
ATT
AUDIO OUTPUT (VAR.)
AUDIO OUTPUT (FIX)

±6V FOR AUDIO REGURATOR
±8V FOR SERVO UN-REGURATOR
AC FOR F1,F2 FOR DISPLAY
±6V FOR AUDIO (DAC) REGURATOR

GND
SWOP
HF
TE
VC
5V
FOK
TP102
TEST POINT

1U-2793-1/1U-2794-1
SIG. AUDIO UNIT

POWER TRANS


1U-2794-1
1-2794-2
IC701
X201
CST4.23MGW040
R407 1M
C8401
C8601
FLD601 FIP10SM6
D601
D602
D603
D604
D605
S603 OP/CL
S604 DISPLAY
S607 PAUSE
S605
S606
S610
S602 PLAY
S601 STOP
S611
S608
S609
R601 100K
R602 100K
R603 100K
R604 100K
RM601 SBX1610-52
R426 10K
R425 10K
C421 0.01
C420 0.01
R401 10K
R421 10K
R422 10K
R408 100K
R406 10K
R420 10K
R412 10K
R424 10K
R423 10K
R410 10K
C405 0.12
C404 100/10
GND
+5V
IC105A BA15218
R152 110K
TR111 2SC2060
TR112 2SA934
R148 22
C175 0.1
C174 0.1
R151 18K
R145 120K
R144 120K
R146 27K
R192 220
R147 33K
R149 1
C131 0.01
C130 0.01
IC901B BA15218
R906 7.5K
R903 27K
C903 100P
IC901A BA15218A
R904 10K
R910 10K
R911 10K
C15M
IC300 SM5845AF
MDT
MCK
MLEN
XRST
SEL43
VSS
DBCK
DDT
LRCK1
MAINS
SHIFT
ADEEM
R308 NHK
BCK
DATA
LRCK
FOK
SV
VC
TE
HF
SWOP
SNCI
TP102 7P-NH
R135 3.3K
CB103
12P-FFC
TP101
MNT0
MNT1
MNT2
MNT3
X200 16M
C132 10P
C133 10P
R705 1K
XTAO
R136 100
R102 10K
CB101 5P-PH (RED)
LOADING
R103 10K
SPINDLE
SLIDE
CB102 5P-PH (WHITE)
3.4-3.7V
0V
IC101 CXD2515Q
XRST
DTRC
SCLK
DATA
XLAT
C101 0.12
FOK
MON
C102 MDP 100/10
SSTP
SPDR
C103 1000/6.3
R300 1K
R301 1K
R302 1K
C128 0.01
C141 4.7/35
R130 1M
R131 100K
R132 1K
C127 220P
C126 CK1500P
R138 11K
R128 3.3K
R129 1.2K
C125 CK0.056
C124 680P
C135 0.01
R909 39K
C905 0.027
C122 220P
C123 220P
R907 110K
R908 240K
R125 120K
C121 0.01
R107 SR
R126 27K
R127 36K
R161 SR
TR103 RN2202
D104 1SS
R163 NHK
+8V
R160 SR
R281
C108 100P
R109 33K
C106 0.12
C105 0.12
IC102 BA6392FF
C116 0.01
IC710A R113 1K
R110 4.7K
R111 680
IC103 BA7042
R112 4.7K
C113 20P
C117 10P
R114 100K
C111 10/16
C115 100/10
C110 3.3/50
C112 CK0.047
C114 0.12
C107 100P
C109 100P
D103 1SR35-200A
D105 1SR35-200A
D106 1SR35-200A
TR101 2SC2060
TR102 2SA934
IC105A BA15218
R124 220
R122 5.6K
R121 47K
R120 10K
R123 3.3K
R118 10K
C120 0.1
R117 22
R115 91K
C119 0.0056
-8V
-8VHP
IC502 ICP-N15
J505
D521
D512
C503 220/16
1SR35-200AX
C504 330/16
R506 2K
C505 1/50
C506 0.22
C511 3.3/50
D511
D520
J506
IC503 ICP-N15
VCC
+8VHP
ON/OFF
A.MUTE

IU-2794-3

CB603

SW600 POWER.SW

JK701 COAXIAL-OUTPUT

PT300 PULSE-TRANS

R345 75

C328 33/16

FB701

IC710D TC74HCU04

C403 100P

C401 0.1

IC710E TC74HCU04

R704 1K

JK704 GP1F32T

C402 0.1

IC710C

+5V

IC710B

IC710F

C400 CK0.1

R703 1K

IU-2794-4

VR501A VR501B 20K (A) 20K (A)

C705 56P

R747 12K

IC705B NJM4556D

R607 56

R606 56

R742 100K

R745 6.2K

GND

R744 6.2K

C706 56P

R746 12K

R743 100K

IC705A NJM4556D

C707

C708

R610 4.7K

R609 4.7K

TR600 2SD2144

C602 0.01

TR601 2SD2144

C603 0.01

H/P JACK

CB702

CB701

(H/PGND)

C280 0.1

(DRV-GND)

R912 20K

R913 20K

+8VHR

R718 22

-8VHR

R717 22

C735 100/16

C734 100/16

C715 (100/50)

C714 100/50

C716 (100/50)

C710 (100/50)

C723

R720 680

TR708 2SD2144S

R724 30K

R730 2.7K

C725 1000P

JK702B L

FIX OUTPUT

C718 (100/50)

C717 100/50

C719 (100/50)

C711 (100/50)

C724

R721 680

TR707 2SD2144S

R725 30K

R731 2.7K

C726 1000P

JK702A R

C732 33P

C712 470/50

R714 10K

R716 470K

R712 10K

IC702B UPC4570C

IC702A UPC4570C

TR706 2SD2144S

R722 680

R726 30K

R734 2.7K

C727 1000P

JK703B L

VARIABLE OUTPUT

C720 10/16

VR-DOWN

VR-UP

IC704 MN6632A

C713 470/50

TR709 2SD2144S

R723 680

R727 30K

R735 2.7K

C728 1000P

JK703A

+8V STEP

C721 10/16

C733 33P

R719 470K

R715 10K

R713 10K

IC703B UPC4570C

IC703A UPC4570C

IC304 PCM61P

R322 470K

VR300 100K

R324 200K

C325 330/25

C326 330/25

R326 1M

C316 0.12

R328

R338 1K

IC310A NE5532

R332 10K

C308 180P

R334 5.6K

C314 200P

C344 0.01

R320 200K

R312 200K

R314 100K

R358 15

C309 820P

C312 1000P

IC310B NE5532

R316 680K

C318 0.12

R304 1K

R309 8A

R306 1K

R307 1K

C301 0.1

C300 100/16

IC303 PCM61P

R321 470K

VR301 100K

R323 200K

R325 1M

C317 0.12

C321 (330/25)

C320 (330/25)

R336 11K

R327

R331 10K

IC309A NE5532

C308 180P

R333 5.6K

C313 200P

C329 0.01

R311 200K

R313 100K

R355 15

C307 820P

C311 1000P

IC309B NE5532

R315 680K

C319 0.12

D601-D608 1SS270A

D607 SS18

D608 SS19

REPEAT

SS17

SS18

IC507 7812

C513 CE1

C514 CE1

IC508 7912

IC508 IC04

CB501 8P

CB502 8P

CB503

J501 -8V

J502 +8V

D535 D536

D534

IC504 ICP-N10

D501 D502

R501 4.7K

D501-506 1SR35-200AX8

C512

C501 2200/25

C502 4700/25 (ASF)

IC501 5290P

R502 4.7K

D537

IC505 ICP-N10

D503 D504

TR502 2SB1188

D539 D538

D507 HZ330-1

R507 100K

R503 3.3K

C506 100/50

C507 47/63

R504 100K

TR503 2C537 (A/B)

D505 D506

-13V

D508 HZ378-1

C509 33/35

C510 33/35

R508 100

R505 100

R510 8A

TR501 2SD1047

POWER-TRANS

C518 C

R710 10K

TR702 DTA124X

R708 430

R701 1SS270A

R706 1K

R709 91

R707 200K

TR703 DTC114ES

C704 220/16

C280 0.1

A.MUTE

CB500

CN500

PS500 AC-PLUG

AC230V 50Hz

ENGLAND ONLY

IU-2794 E2, EK

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